

Rec'd PCT/PTO 28 FEB 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 March 2004 (11.03.2004)

PCT

(10) International Publication Number
WO 2004/020593 A3

(51) International Patent Classification⁷: **C07K 14/47**

33 Union Square, #712, Union City, CA 94587 (US).
KHARE, Reena [IN/US]; 12650 Orella Court, Saratoga,
CA 95070 (US). BECHA, Shanya, D. [US/US]; 1 Saint
Francis #5508, San Francisco, CA 94107 (US).

(21) International Application Number:

PCT/US2003/026988

(74) Agent: **FOLEY & LARDNER LLP**; Washington Harbour,
3000 K Street, N.W., Suite 500, Washington, D.C.
20007-5143 (US).

(22) International Filing Date: 26 August 2003 (26.08.2003)

(25) Filing Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:

60/407,561	30 August 2002 (30.08.2002)	US
60/410,178	11 September 2002 (11.09.2002)	US
60/410,571	13 September 2002 (13.09.2002)	US
60/419,906	18 October 2002 (18.10.2002)	US
60/421,445	25 October 2002 (25.10.2002)	US

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR,
GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): INCYTE
CORPORATION [US/US]; 3160 Porter Drive, Palo Alto,
CA 94304 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): RAMKUMAR,
Jayalaxmi [IN/US]; 34359 Maybird Circle, Fremont, CA
94555 (US). SWARNAKAR, Anita [CA/US]; 8 Locksley
Avenue #5D, San Francisco, CA 94122 (US). ELLIOTT,
Vicki, S. [US/US]; 3770 Polton Place Way, San Jose,
CA 95121 (US). HAFALIA, April, J.A. [US/US]; 15
Midvale Drive, Daly City, California 94015, Santa Clara,
CA 94015 (US). RICHARDSON, Thomas, W. [US/US];
616 Canyon Road #107, Redwood City, CA 94062 (US).
LEE, Soo Yeun [US/US]; 40 Westdale Avenue, Daly City,
CA 94015 (US). LINDQUIST, Erika, A. [US/US]; 2394
Mariner Square Drive #C-121, Alameda, CA 94501 (US).
MARQUIS, Joseph, P. [US/US]; 4428 Lazy Lane, San
Jose, CA 95135 (US). CHAWLA, Narinder, K. [US/US];

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
23 September 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMMUNE RESPONSE ASSOCIATED PROTEINS

(57) Abstract: ABSTRACT OF THE DISCLOSURE Various embodiments of the invention provide human immune response associated proteins (IRAP) and polynucleotides which identify and encode IRAP. Embodiments of the invention also provide expression vectors, host cells, antibodies, agonists, and antagonists. Other embodiments provide methods for diagnosing, treating, or preventing disorders associated with aberrant expression of IRAP.

WO 2004/020593 A3